

Axelle Dabancourt

Seeking a 4 to 6-month engineering internship.

Availability : From September 2026



PROFESSIONAL SUMMARY

Final-year General Engineering student at École des Mines de Nancy, specializing in Computer Science. Passionate about tackling complex systems through teamwork and innovative problem-solving. Strong academic background in both theoretical computer science and practical software development.

EDUCATION

2023-2026 (3 years)

École des Mines de Nancy (ENSMN), France

General Engineering Degree (Diplôme d'Ingénieur)

Specialization: Computer Science (Software Dev, DevOps, Machine Learning, AI).

Curriculum: Project Management, Economics, Mathematics, Communication, Business Law.

mars-juil 2026 (5 months)

Universidad Técnica Federico Santa María, Chile

Exchange Semester, Department of Computer Science

Coursework: Project Management, Human-Computer Interaction (HCI), Cryptography.

2021-2023 (2 years)

CPGE, France - Intensive Undergraduate Preparatory Courses (MPI)

Two-year intensive program in Mathematics, Physics, and Computer Science preparing for competitive entrance exams to top engineering schools.

2021

French Baccalaureate, France

Specialization: Mathematics, Physics, Philosophy

Graduated with Highest Honors (Mention Très Bien).

TECHNICAL EXPERIENCE

Digital Forensics Engineering Intern

French National Institute of Forensic Science (INPS), Ecully 2025 (4 months)

Conducted research on the environmental impact on 5G signal propagation.

Applied theoretical knowledge to forensic investigation protocols.

Student Researcher / Developer (CEA Project)

CEA Valduc 2024 – 2025 (1 year)

Collaborated on a project to implement an image classification AI.

Developed solutions using Python, OpenCV, TensorFlow, and Jupyter Notebooks.

Improved experimental software by enhancing recognition algorithms in a team of two.

Production Operator Intern

X-FAB (Microprocessor Manufacturing) 2024 (1 month)

Gained operational experience in a fast-paced, high-tech manufacturing environment.

Worked night and weekend shifts, demonstrating adaptability and rigorous attention to detail.

OTHER EXPERIENCE

STEM Outreach Volunteer. (La Main à la Pâte)

Educational outreach in local schools, 2023 – 2024 (1 year)

Simplified complex scientific concepts for primary and middle school students.

Developed pedagogical materials in collaboration with teachers.

Administrative & IT Assistant. Hazgar, Summers 2022, 2023

Temporary Recruitment Agency, Railway Sector

Handled administrative tasks and managed IT-related support for the agency.

Contact

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<https://axelle.dabancourt.fr>

Paris (Driver's License)

SKILLS

Programming :

C, Python, OCaml, Java

Web Development : HTML,

CSS, JavaScript, Node.js

SQL, MongoDB

OS/Tools :

Linux, Windows,

Github, GitLab, VSCode

Matlab

Office Suite :

Word, Advanced Excel

(VBA, Python)

PowerPoint, Canva

LANGUAGES

French: Native.

English: C1 Level
(IELTS certified).

Spanish: B2 Level.

EXTRACURRICULAR ACTIVITIES

Arts: Drawing and Painting.

Music: Piano

(practicing since age 10).

Sports: Cheerleading.